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PATENT

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of Michael L. LIGHTSTONE, et al.

Confirmation No.: 4561

Serial No.: 10/688,254

Group Art Unit: 2655

Filed: October 16, 2004

Examiner: Not Yet Assigned

For: **APPARATUS, SYSTEM, AND METHOD FOR VIDEO ENCODER RATE CONTROL****Mail Stop AMENDMENT**

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT TRANSMITTAL

Enclosed are the following documents:

1. Information Disclosure Statement Under 37 C.F.R. 1.97(b) (2 pages);
2. Form PTO/SB/08A (1 pages)
3. Copies of references D1-D3 (15 pages)
4. Copies of cover page of references F1-F2 (2 pages)
5. European Search Report (5 pages); and
6. A return receipt postcard.

- ☒ [X] In accordance with 37 C.F.R. §1.97(b), no additional fee for submission of the IDS is required.
- ☐ [] In accordance with 37 C.F.R. §1.97(c), also enclosed is:
- ☐ [] the fee of \$180.00 as set forth in 37 C.F.R. §1.17(p); or
- ☐ [] a statement as specified in 37 C.F.R. §1.97(e).
- ☐ [] In accordance with 37 C.F.R. §1.97(d), a statement as specified in 37 C.F.R. § 1.97(e) and the fee of \$180.00 as set forth in 37 C.F.R. §1.17(p) are also enclosed.
- ☐ [] Check No. ___ in the amount of \$___ for the total fee is attached.
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The Commissioner is hereby authorized to charge any appropriate fees under 37 C.F.R. §§1.16, 1.17, and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. (PA) 03-3117.


Dated: April 5, 2005

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Respectfully submitted,
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PTO/SB/08A (08-00)

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

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|------------------------|-------------------------------|
| Application Number | 10/688,254 |
| Filing Date | October 16, 2004 |
| First Named Inventor | Michael L. LIGHTSTONE, et al. |
| Group Art Unit | 2655 |
| Examiner Name | Not Assigned |
| Attorney Docket Number | NVID-072/00US |

Sheet 1 of 1

U.S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | U.S. Patent Document | | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY |
|-----------------------|--------------------------|----------------------|--------------------------------------|---|---|
| | | Number | Kind Code ² (if known) | | |
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FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | | | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | T ⁶ |
|-----------------------|--------------------------|-------------------------|---------------------|--------------------------------------|--|--|----------------|
| | | Office ³ | Number ⁴ | Kind Code ⁵ (if known) | | | |
| | F1 | EP | 1 091 588 | | SONY COPORATION | 04-11-2001 | |
| | F2 | EP | 1 465 430 | | ST. MICROELECTRONICS ASIA PACIFIC LTD | 10-06-2004 | |
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OTHER - NON PATENT LITERATURE DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ⁷ |
|-----------------------|--------------------------|--|----------------|
| | D1 | YOKOYAMA, et al., "A scene-adaptive one-pass variable bit rate video coding method for storage media" (10-24-1999), IMAGE PROCESSING, 1999. ICIP 99. PROCEEDING. 1999 INTERNATIONAL CONFERENCE ON KOBE, JAPAN, pages 827-831. | |
| | D2 | YU SUN, ET AL: "Synchronous and asynchronous multiple object rate control for MPEG-4 video coding" PROCEEDINGS 2003 INTERNATIONAL CONFERENCE ON IMAGE PROCESSING. ICIP-2003. BARCELONA, SPAIN, SEPT. 14-17, 2003 Vol. 2 of 3 pages 801-804 (09-14-2003) | |
| | D3 | FAN, J., ET AL: "Real-time video applications over ABR using FASTRAC-a rate control algorithm" IEEE CANADIAN CONFERENCE ON ELETRICAL AND COMPUTER ENGINEERING. CCECE 2002. Winnipeg, Manitoba, Canada, May 12-15, 2002, CANADIAN CONFERENCE ON ELECTRICAL AND COMPUTER ENGINEERING, NEW YORK, NY: IEEE, US, VOL. 1 OF 3 (05-12-2002), pages 1565-1570. | |
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|-----------------------|--------------------|
| Examiner Signature | Date Considered |
|-----------------------|--------------------|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number.

² See attached Kinds of U.S. Patent Documents.

³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.

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